Abstract

Providing camera apparatus and a camera system capable of performing optimum speed control by themselves and even facilitate tracking of a subject by way of a plurality of cameras while using a same controller, even in case the location of the camera or the distance between the camera and the subject has changed, and a method for controlling the camera system

The camera apparatus includes: a camera for photographing a subject; a rotating body for rotating the camera in order to track the subject; and a controller for controlling the motion of the rotating body and the operation of the camera; characterized in that the controller includes: an operation determination unit for analyzing and determining the input operation instruction information on the rotating body and the camera; a data holding unit for holding the status information on the photographing operation of the camera; a main control unit for calculating an optimum speed to track the subject based on the information output from the operation determination unit and the data holding unit and outputting the speed to the rotating body; and a drive unit for driving the rotating body.